

INTRAFREQUENCY SEARCHING IN THE PRESENCE OF FREQUENCY GAPS

ABSTRACT

[1080] Techniques for intra-frequency searching in the presence of frequency gaps are disclosed. In one embodiment, a search is scheduled and frequency switches are suppressed during the scheduled search. In another embodiment, a search is scheduled in between anticipated frequency gaps. In yet another embodiment, a timer is deployed, the expiration of which indicates a search is to be scheduled. In yet another embodiment, a timer is deployed, the expiration of which indicates a search is to be scheduled and frequency switches are suppressed during the scheduled search. Various other embodiments are also presented. Benefits include allowing prescribed levels of intra-frequency and inter-frequency search to be performed which allows for improved base station selection and therefore improved performance and system capacity.